

## SCIENCE AND INDUSTRY.

- In New York 6,000 girls are engaged in stripping tobacco at average wages of about forty cents a day.
- It takes every year a million horses' tails to keep a Pawtucket (R. I.) haircloth factory in running order.
- Electric appliances are now successfully used in the automatic regulation of temperature in buildings heated by steam or hot air.
- Analysis of natural gas shows the

proportion of each constituent in one hundred parts of the gas to be as follows: Carbolic acid, carbonic oxid, 6-10 each; oxygen, 8-10; olefiant gas, 1; ethylic hydride, 5; marsh gas, 67; hydrogen, 23; nitrogen, 3.

—The lowest barometric pressure on record is 27.135 inches, which was observed in 1835 during a storm over the Bay of Bengal. This storm was also remarkable for its conditions—the air

—A new tanning agent, called pyrofuscine, has been extracted from coal-dust by means of caustic soda. The tanning process is somewhat complicated, but it is claimed to be fifty per cent. cheaper than the bark process, and twenty to thirty per cent. cheaper than the alum process.

—A German geographer, R. Credner,

does not think that all fresh water lakes in which marine animals have been discovered were necessarily once portions of the ocean. Many of these creatures, he says, may have found their way from the sea up the rivers, and have accommodated themselves to the changed conditions of their new home. The occurrence of marine animals has been noted in fresh-water lakes in Europe, Asia and Africa, as well as on this continent.

—Dr. H. H. Henshaw, of the Laboratory of the College of Physicians and Surgeons, New York, has ascertained that bacteria abound in ice, and moreover that the organisms can survive a large amount of freezing. It has been established that bacteria are the cause of a number of diseases, and the presumption is pretty strong that sewage coming from, among other places, the abodes of the sick would contain a kind of bacteria which had better not be included in ice-water that is to be swallowed.

—Philadelphia claims to make and eat more candy in proportion to population than any other city in the country. There are eighty-seven manufacturers and wholesalers and 1,200 retailers, and they use more than \$1,000,000 of capital and consumes 100,000 tons of sugar every year. Caramels are a great specialty of the trade in that city. For other places much chocolate and walnut candy and many gum drops are made. Six tons of gum drops were shipped from Philadelphia to Pittsburgh.

the week before Christmas. Brooklyn makes the most chewing gum, it is said, and Boston eats the most of it.

--M. de Candolle, a French investigator, has come to the conclusion from his researches that women have a larger proportion of brown eyes than men. He also finds that, when both parents are eyes of a blue color, the chances are eighty-eight to twelve that their children who arrive at the age of ten years (when the color of the eye is

fixed), we have eyes of the same color. When the parents have eyes of different colors, the chances are fifty-five to forty-five in favor of brown as against blue or gray eyes in the children. He is also of opinion that the health of the brunette type is, as a rule, superior to that of the blonde type.

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**PUNGENT PARAGRAPHS.**

—Don't be deceived by a man's innocent look. He may simply be near-

—Poker-players expect that 1888 will be a good year, as it contains three of a kind.—*Rochester Post-Express*.  
—A woman never reaches middle life; she is always young until she gets old enough to boast of her age.—*Epoch*.  
—When a man owes a good round sum he sometimes finds it extremely hard to square up.—*New Haven News*.  
—Hotel proprietors are uniformly polite to their guests, because that is

the use on well procedure. — *Pittsburgh Chronicle*.  
 —She—"Excuse me, sir, I did not catch your name." French Visitor—"Octave, Mademoiselle, Octave—" She—"In the piano business?" — *Town Topics*.  
 —Physiologists say that the older a man grows the smaller his brain becomes. This explains why young men know every thing and old men nothing.  
 —Irate Student—"Don't you ever understand *Thalia* to be sure?"

—When Gibbs heard the boys talking about She-who-must-be-obeyed, he said at first he thought they were saying something or 'nother about Mrs. G. —*Boston Transcript.*

—Who is that extremely peculiar and interesting man with the long hair?"  
"O, that is a previous poet. He has a great future behind him."—*Flying-geude Blatter*.

—In Massachusetts they impose a small tax on dogs, but give the proceeds to the public libraries, so that you can support a litter at your option.—*Philadelphia Ledger*.

—"Jennie," said a young lady, turn-

away from the mirror and addressing a companion, "What would you do if you had a moustache on your lips?" "If I liked him I would keep quiet," was the demure reply. —*N. Y. Graphic*.  
—Stranger to grocer—"Why don't you sprinkle some sand on the pavement out here? Half a dozen people have fallen in the last five minutes." "I haven't any sand," —Then sling out some of your sugar; it's just the same thing." —*Lincoln Journal*.  
—A Wife's Anxiety: Husband (im-

patiently)—"If the fool-killer would strike this town he would find plenty of work to do!" Wife—"Is there such a person, dear?" Husband—"Of course there is." Wife (with anxiety)—"Well, I do hope, John, that you will be very careful."—*Texas Siftings.*

—Alexandria, in Clark County, Mo., was once the Grotto Green of the West, where hundreds of young couples from Iowa, Illinois and Missouri were united without license and without question.

Justice Gilliam, now an old resident of Alexandria, was most in demand to tie the knot for the eloping couples, and reaped a rich harvest for his pains.